

AMENDMENTS TO THE CLAIMS

The following listing of claims replaces all prior versions of claims in the application.

1. (Original): A process for producing a synthetic resin film, comprising:

(A) a step of casting and applying a composition containing a polymer and an organic solvent onto a support to form a gel film;

(B) a step of stripping the gel film and heating the gel film with both ends being fixed; and

(C) a step of heating the film with both ends being released after step (B), wherein the thickness b of the film produced in step (B) and the thickness c of the film produced in step (C) satisfy the relationship $b > c$.

2. (Original): The process for producing the synthetic resin film according to Claim 1, wherein heating in step (C) is performed under a tension of 0.10 to 1.50 kg/mm² in the machine direction (MD) of the film.

3. (Currently amended): The process for producing the synthetic resin film according to Claim 1 [[or 2]], wherein heating in step (B) is performed at a maximum atmospheric temperature of 450°C or lower.

4. (Currently amended): The process for producing the synthetic resin film according to ~~any one of Claims 1 to 3~~ Claim 1, wherein heating in step (B) is performed by treatment with hot air.

5. (Currently amended): The process for producing the synthetic resin film according to ~~any one of Claims 1 to 3~~ Claim 1, wherein heating in step (B) is performed by treatment with radiant heat rays.

6. (Currently amended): The process for producing the synthetic resin film according to ~~any one of Claims 1 to 3~~ Claim 1, wherein heating in step (B) is performed by a combination of hot air treatment and radiant heat rays treatment.

7. (Currently amended): The process for producing the synthetic resin film according to ~~any one of Claims 1 to 6~~ Claim 1, wherein heating in step (C) is performed at an atmospheric temperature of 430°C or higher.

8. (Currently amended): The process for producing the synthetic resin film according to ~~any one of Claims 1 to 7~~ Claim 1, wherein heating in step (C) is performed by treatment with hot air.

9. (Currently amended): The process for producing the synthetic resin film according to ~~any one of Claims 1 to 7~~ Claim 1, wherein heating in step (C) is performed by treatment with radiant heat rays.

10. (Currently amended): The process for producing the synthetic resin film according to ~~any one of Claims 1 to 7~~ Claim 1, wherein heating in step (C) is performed by a combination of hot air treatment and radiant heat rays treatment.

11. (Currently amended): The process for producing the synthetic resin film according to ~~any one of Claims 1 to 7~~ Claim 1, wherein heating in step (C) is performed by simultaneous treatment with hot air and radiant heat rays.

12. (Currently amended): The process for producing the synthetic resin film according to ~~any one of Claims 1 to 11~~ Claim 1, wherein the synthetic resin film comprises a polyimide.

13. (Currently amended): A process for producing a synthetic resin film, comprising:
(A) a step of casting and applying a composition containing a polymer and an organic solvent onto a support to form a gel film;
(B) a step of stripping the gel film and heating the gel film with both ends being fixed; and
(C) a step of heating the film with both ends being released after step (B), wherein the heating temperature in step (B) is ~~higher~~ lower than that in step (C).

14. (Original): The process for producing the synthetic resin film according to Claim 13, wherein heating in step (B) is performed at a maximum atmospheric temperature of 450°C or lower.

15. (Currently amended): The process for producing the synthetic resin film according to Claim 13 ~~[[or 14]]~~, wherein heating in step (C) is performed at an atmospheric temperature of 430°C or higher.

16. (Currently amended): The process for producing the synthetic resin film according to ~~any one of Claims 13 to 15~~ Claim 13, wherein the synthetic resin film comprises a polyimide.